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USPT	optical same clock same reference same (phase or pll) same divider\$1	76	<u>L1</u>

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L4: Entry 1 of 22

File: USPT

Sep 12, 2000

US-PAT-NO: 6118742

DOCUMENT-IDENTIFIER: US 6118742 A

TITLE: Disk-rotation control apparatus

DATE-ISSUED: September 12, 2000

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsui; Shigeru	Tokyo	N/A	N/A	JPX
Yashima; Noboru	Tokyo	N/A	N/A	JPX
Kizu; Naoki	Tokyo	N/A	N/A	JPX
Sugiyama; Kazuhiro	Tokyo	N/A	N/A	JPX
Hiratsuka; Yukari	Tokyo	N/A	N/A	JPX

US-CL-CURRENT: 369/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	K00C	Draw Desc	Image
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☒ 2. Document ID: US 6069854 A

L4: Entry 2 of 22

File: USPT

May 30, 2000

US-PAT-NO: 6069854

DOCUMENT-IDENTIFIER: US 6069854 A

TITLE: Disk reproducing device, a disk reproducing method, a disk rotation control method, and a regenerative clock signal generating device

DATE-ISSUED: May 30, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koudo; Toshikazu	Nishinomiya	N/A	N/A	JPX
Imura; Masaharu	Neyagawa	N/A	N/A	JPX
Kuno; Yoshiki	Osaka	N/A	N/A	JPX
Mashiko; Yasuhisa	Takatsuki	N/A	N/A	JPX
Ishibashi; Hidefumi	Neyagawa	N/A	N/A	JPX

US-CL-CURRENT: 369/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 5991250 A

L4: Entry 3 of 22

File: USPT

Nov 23, 1999

US-PAT-NO: 5991250

DOCUMENT-IDENTIFIER: US 5991250 A

TITLE: Optical disc recording method and apparatus for recording clock stabilization information on a portion of a unit block adjacent a discontinuous recording position

DATE-ISSUED: November 23, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kim; Dae Young	Seoul	N/A	N/A	KRX

US-CL-CURRENT: 369/47; 369/48

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 4. Document ID: US 5956307 A

L4: Entry 4 of 22

File: USPT

Sep 21, 1999

US-PAT-NO: 5956307

DOCUMENT-IDENTIFIER: US 5956307 A

TITLE: Device and method for reproducing data from disk, method for controlling rotation of disk, and reproduction clock generating device

DATE-ISSUED: September 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koudo; Toshikazu	Nishinomiya	N/A	N/A	JPX
Imura; Masaharu	Neyagawa	N/A	N/A	JPX
Kuno; Yoshiki	Osaka	N/A	N/A	JPX
Mashiko; Yasuhisa	Takatsuki	N/A	N/A	JPX
Ishibashi; Hidefumi	Neyagawa	N/A	N/A	JPX

US-CL-CURRENT: 369/50; 369/124.04, 369/124.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 5. Document ID: US 5933399 A

L4: Entry 5 of 22

File: USPT

Aug 3, 1999

US-PAT-NO: 5933399

DOCUMENT-IDENTIFIER: US 5933399 A

TITLE: Optical disc recording method and apparatus with variable speed control function

DATE-ISSUED: August 3, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kim; Dae Young	Seoul	N/A	N/A	KRX

US-CL-CURRENT: 369/50; 369/48

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 6. Document ID: US 5909150 A

L4: Entry 6 of 22

File: USPT

Jun 1, 1999

US-PAT-NO: 5909150

DOCUMENT-IDENTIFIER: US 5909150 A

TITLE: System and method for improving the regulation of a supply voltage for a controllable oscillator using feed forward control techniques

DATE-ISSUED: June 1, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kostelnik; Matthew M.	Austin	TX	N/A	N/A
Pietruszynski; David M.	Austin	TX	N/A	N/A

US-CL-CURRENT: 331/34; 327/156, 331/17, 331/177R, 331/185,  
331/186, 331/8, 360/51

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 7. Document ID: US 5828638 A

L4: Entry 7 of 22

File: USPT

Oct 27, 1998

US-PAT-NO: 5828638

DOCUMENT-IDENTIFIER: US 5828638 A

TITLE: Disc data reproducing apparatus and signal processing circuit

DATE-ISSUED: October 27, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Inagawa; Jun	Kanagawa-ken	N/A	N/A	JPX
Hayashi; Yasuhiro	Kanagawa-ken	N/A	N/A	JPX
Kubo; Makoto	Kanagawa-ken	N/A	N/A	JPX

US-CL-CURRENT: 369/54; 369/48, 386/109, 386/126, 386/95

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 8. Document ID: US 5815485 A

L4: Entry 8 of 22

File: USPT

Sep 29, 1998

US-PAT-NO: 5815485

DOCUMENT-IDENTIFIER: US 5815485 A

TITLE: Recording medium, a method for producing the same, a control method using the recording medium, and a recording/reproducing apparatus using the recording medium

DATE-ISSUED: September 29, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Shinichi	Kyoto	N/A	N/A	JPX
Ishibashi; Hiromichi	Ibaraki	N/A	N/A	JPX
Moriya; Mitsurou	Ikoma	N/A	N/A	JPX
Kadowaki; Shinichi	Hirakata	N/A	N/A	JPX

US-CL-CURRENT: 369/275.3; 369/44.26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☒ 9. Document ID: US 5815476 A

L4: Entry 9 of 22

File: USPT

Sep 29, 1998

US-PAT-NO: 5815476

DOCUMENT-IDENTIFIER: US 5815476 A

TITLE: Disc data reproducing apparatus and signal processing circuit

DATE-ISSUED: September 29, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Inagawa; Jun	Kanagawa-ken	N/A	N/A	JPX
Hayashi; Yasuhiro	Kanagawa-ken	N/A	N/A	JPX
Kubo; Makoto	Kanagawa-ken	N/A	N/A	JPX

US-CL-CURRENT: 369/48; 369/50, 369/54, 369/58

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 10. Document ID: US 5790488 A

L4: Entry 10 of 22

File: USPT

Aug 4, 1998

US-PAT-NO: 5790488

DOCUMENT-IDENTIFIER: US 5790488 A

TITLE: Optical disk having both constant linear and constant angular velocity recording regions and optical disk recording system

DATE-ISSUED: August 4, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Uemura; Yutaka	Yokohama	N/A	N/A	JPX

US-CL-CURRENT: 369/50; 369/47, 369/54, 369/58, 369/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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L4: Entry 11 of 22

File: USPT

May 26, 1998

US-PAT-NO: 5757750

DOCUMENT-IDENTIFIER: US 5757750 A

TITLE: Optical disk having both constant linear and constant angular velocity recording regions and optical disk recording system

DATE-ISSUED: May 26, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Uemura; Yutaka	Yokohama	N/A	N/A	JPX

US-CL-CURRENT: 369/50; 369/275.3

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">K/MC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 12. Document ID: US 5748587 A

L4: Entry 12 of 22

File: USPT

May 5, 1998

US-PAT-NO: 5748587

DOCUMENT-IDENTIFIER: US 5748587 A

TITLE: Spindle servo circuit in high-speed optical disk reproducer

DATE-ISSUED: May 5, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sim; Tae-Hyeon	Seoul	N/A	N/A	KRX

US-CL-CURRENT: 369/50; 369/124.14, 369/54

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">K/MC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☒ 13. Document ID: US 5729515 A



L4: Entry 13 of 22

File: USPT

Mar 17, 1998

US-PAT-NO: 5729515

DOCUMENT-IDENTIFIER: US 5729515 A

TITLE: Disc data reproducing apparatus and signal processing circuit for reproducing and processing disc data having a plurality of type data

DATE-ISSUED: March 17, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Inagawa; Jun	Kanagawa-ken	N/A	N/A	JPX
Hayashi; Yasuhiro	Kanagawa-ken	N/A	N/A	JPX
Kubo; Makoto	Kanagawa-ken	N/A	N/A	JPX

US-CL-CURRENT: 369/58; 369/48, 369/50, 369/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 14. Document ID: US 5687148 A

L4: Entry 14 of 22

File: USPT

Nov 11, 1997

US-PAT-NO: 5687148

DOCUMENT-IDENTIFIER: US 5687148 A

TITLE: Optical disk having both constant linear and constant angular velocity recording regions and optical disk recording system

DATE-ISSUED: November 11, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Uemura; Yutaka	Yokohama	N/A	N/A	JPX

US-CL-CURRENT: 369/50; 369/47, 369/54, 369/58, 369/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 15. Document ID: US 5533003 A

L4: Entry 15 of 22

File: USPT

Jul 2, 1996

US-PAT-NO: 5533003

DOCUMENT-IDENTIFIER: US 5533003 A

TITLE: Recording device capable of detecting the change in length and position of the pit edge

DATE-ISSUED: July 2, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kobayashi; Seiji	Kanagawa	N/A	N/A	JPX

US-CL-CURRENT: 369/275.4; 369/58

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 16. Document ID: US 5526332 A

L4: Entry 16 of 22

File: USPT

Jun 11, 1996

US-PAT-NO: 5526332

DOCUMENT-IDENTIFIER: US 5526332 A

TITLE: Reference clock generator for sampled servo type disk unit and disk unit

DATE-ISSUED: June 11, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamada; Shin-iti	Katano	N/A	N/A	JPX
Moriya; Mitsurou	Ikoma	N/A	N/A	JPX
Yamaguchi; Hiroyuki	Hirakata	N/A	N/A	JPX
Kinou; Toshiyuki	Hirakata	N/A	N/A	JPX

US-CL-CURRENT: 369/48; 360/51, 369/124.07, 369/124.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 17. Document ID: US 5278815 A

L4: Entry 17 of 22

File: USPT

Jan 11, 1994

US-PAT-NO: 5278815

DOCUMENT-IDENTIFIER: US 5278815 A

TITLE: Digital data reproducing apparatus

DATE-ISSUED: January 11, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mashimo; Akira	Musashino	N/A	N/A	JPX
Kubo; Mitsumasa	Musashino	N/A	N/A	JPX
Hishiyama; Fumio	Musashino	N/A	N/A	JPX
Shimamoto; Masayoshi	Amagasaki	N/A	N/A	JPX
Furukawa; Teruo	Amagasaki	N/A	N/A	JPX

US-CL-CURRENT: 369/48; 360/48, 360/51, 369/124.07, 369/124.14,  
369/44.32, 369/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☒ 18. Document ID: US 5278814 A

L4: Entry 18 of 22

File: USPT

Jan 11, 1994

US-PAT-NO: 5278814

DOCUMENT-IDENTIFIER: US 5278814 A

TITLE: Apparatus for recording and reproducing information on  
and from an optical disk

DATE-ISSUED: January 11, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deguchi; Toshihisa	Nara	N/A	N/A	JPX
Fuji; Hiroshi	Kitakatsuragi	N/A	N/A	JPX
Terashima; Shigeo	Tenri	N/A	N/A	JPX

US-CL-CURRENT: 369/47; 369/275.3, 369/44.26, 369/50, 369/58

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 19. Document ID: US 5224086 A

L4: Entry 19 of 22

File: USPT

Jun 29, 1993

US-PAT-NO: 5224086

DOCUMENT-IDENTIFIER: US 5224086 A

TITLE: Spindle servo system for magneto-optical  
recording/playback apparatus

DATE-ISSUED: June 29, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wachi; Shigeaki	Tokyo	N/A	N/A	JPX

US-CL-CURRENT: 369/50; 369/44.11, 369/47, 369/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 20. Document ID: US 5128916 A

L4: Entry 20 of 22

File: USPT

Jul 7, 1992

US-PAT-NO: 5128916

DOCUMENT-IDENTIFIER: US 5128916 A

TITLE: Optical disc with alternating servo patterns and driving  
apparatus therefor

DATE-ISSUED: July 7, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ito; Osamu	Tsukaguchihonmachi	N/A	N/A	JPX
Ogawa; Masaharu	Tsukaguchihonmachi	N/A	N/A	JPX
Yoshimoto; Kyosuke	Tsukaguchihonmachi	N/A	N/A	JPX
Tanaka; Kunimaro	Tsukaguchihonmachi	N/A	N/A	JPX
Furukawa; Teruo	Tsukaguchihonmachi	N/A	N/A	JPX
Nakajima; Yoshiki	Tsukaguchihonmachi	N/A	N/A	JPX

US-CL-CURRENT: 369/44.26; 369/275.3, 369/44.28, 369/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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L4: Entry 21 of 22

File: USPT

May 26, 1992

US-PAT-NO: 5117412

DOCUMENT-IDENTIFIER: US 5117412 A

TITLE: Optical disc with servo pattern providing enhanced reliability of servo clock detection and apparatus for accessing the optical disc

DATE-ISSUED: May 26, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ito; Osamu	Amagasaki	N/A	N/A	JPX
Ogawa; Masaharu	Amagasaki	N/A	N/A	JPX
Yoshimoto; Kyosuke	Amagasaki	N/A	N/A	JPX
Tanaka; Kunimaro	Amagasaki	N/A	N/A	JPX
Furukawa; Teruo	Amagasaki	N/A	N/A	JPX
Nakajima; Yoshiki	Amagasaki	N/A	N/A	JPX

US-CL-CURRENT: 369/109; 369/124.05, 369/124.14, 369/275.3,  
369/32, 369/50

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KWC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 22. Document ID: US 5063546 A

L4: Entry 22 of 22

File: USPT

Nov 5, 1991

US-PAT-NO: 5063546

DOCUMENT-IDENTIFIER: US 5063546 A

TITLE: Optic disc with servo pattern and apparatus for  
accessing the optical disc

DATE-ISSUED: November 5, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ito; Osamu	Amagasaki	N/A	N/A	JPX
Ogawa; Masaharu	Amagasaki	N/A	N/A	JPX
Yoshimoto; Kyosuke	Amagasaki	N/A	N/A	JPX
Tanaka; Kunimaro	Amagasaki	N/A	N/A	JPX
Furukawa; Teruo	Amagasaki	N/A	N/A	JPX
Nakajima; Yoshiki	Amagasaki	N/A	N/A	JPX

US-CL-CURRENT: 369/32; 369/275.3, 369/44.26, 369/44.28, 369/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Terms	Documents
13 same (dis\$1 or medium)	22

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Documents, starting with Document:

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